



TEST REPORT

Report No. **GR:HL:1452000859** ISSUE DATE: 27th May, 2023



BHAGWATI TIRATH POLYCONTAINERS INDUSTRIES PVT. LTD.
333, PRAGATI INDUSTRIAL ESTATE, DELISLE ROAD
N.M.JOSHI MARG, LOWER PAREL, MUMABI- 400011
INDIA
CONTACT PERSON: MR.VIJAY SAWANT

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION BLACK PLASTIC ROUND AND RECTANGULAR CONTAINER WITH CLEAR LID & CLEAR PLASTIC ROUND AND RECTANGULAR CONTAINER WITH LID
PRODUCT CODE BT-25, BT-50, BT-100, BT-125, BT-150, BT-200, BT-225, BT-250, BT-300, BT-450, BT-500, BT-650, BT-675, BT-750, BT-1000, BT-1100, BT-1250, BT-1500, BT-2000, BT-2500, RO-10, RO-12, RO-16, RO-24, RO-32, RO-48, RE-12, RE -16, RE -24, RE -28, RE -32, RE -232, RE -38, RE -58, B-20, B-24, 8311,8377,8399
COUNTRY OF ORIGIN INDIA
COUNTRY OF DESTINATION INDIA
CONDITION OF SAMPLE COMPLETE AND OK
THE LOCATION OF PERFORMANCE OF THE LABORATORY ACTIVITIES : SGS GURUGRAM LABORATORY

LAB PROVIDED DETAILS:
SAMPLE RECD ON 12/05/2023
TEST PERFORMING DATE 13/05/2023 TO 27/05/2023

SUMMARY OF TEST RESULTS:

TEST REQUESTED	CONCLUSION
TESTING AS PER COMMISSION REGULATION (EU) NO 10/2011	--
1. OVERALL MIGRATION	PASS
2. SPECIFIC MIGRATION OF HEAVY METALS	PASS

TEST(S) RESULT & METHOD: PLEASE REFER TO NEXT PAGE(S) . RESULTS APPLY TO THE SAMPLE AS RECEIVED

Per Pro SGS India Private Ltd

Authorised Signatory
Prabhat Ranjan Jena
(Manager-RSL)
Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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TEST RESULTS :

1. TESTING AS PER COMMISSION REGULATION (EU) No 10/2011:

a) OVERALL MIGRATION:

Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods. (1st Migration);
EN 1186-3:2022, test method for overall migration in evaporable simulant.

Simulant Used	Test Condition	Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Permissible Limit (mg/dm ²)
3% Acetic acid	100°C for 01 Hours	Not Detected	2.0	10
10% Ethanol	100°C for 01 Hours	Not Detected	2.0	10
95% Ethanol	60°C for 04 Hours	Not Detected	2.0	10
Isooctane	60°C for 02 Hours	Not Detected	2.0	10
Conclusion	--	Pass	--	--

Tested Item: Black Round Container With Clear Lid

EN 1186-9:2002 aqueous food simulants by Article filling method;

Simulant Used	Test Condition	Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Permissible Limit (mg/dm ²)
3% Acetic acid	100°C for 01 Hours	2.5	2.0	10
10% Ethanol	100°C for 01 Hours	Not Detected	2.0	10
95% Ethanol	60°C for 04 Hours	Not Detected	2.0	10
Isooctane	60°C for 02 Hours	Not Detected	2.0	10
Conclusion	--	Pass	--	--

Tested Item: Clear Round Container With Clear Lid

Note :-

1. mg/dm² = milligram per square decimeter.
2. °C = degree Celsius.
3. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.
4. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg.
5. Test condition & simulant were specified by client.

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2.SPECIFIC MIGRATION OF HEAVY METALS:-

Method: With reference to EN 13130-1:2004. Analysis was performed by ICP-MS .

Simulant Used: 3% Acetic acid (w/v)

Test Condition: 100°C for 30 Min followed by 70°C for 2 Hours (1st Migration)

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Specific Migration of Aluminium	Not Detected	0.1	1
Specific Migration of Antimony	Not Detected	0.01	0.04
Specific Migration of Arsenic	Not Detected	0.01	0.01
Specific Migration of Barium	Not Detected	0.25	1
Specific Migration of Cadmium	Not Detected	0.002	0.002
Specific Migration of Chromium	Not Detected	0.01	0.01
Specific Migration of Cobalt	Not Detected	0.01	0.05
Specific Migration of Copper	Not Detected	0.25	5
Specific Migration of Iron	Not Detected	0.25	48
Specific Migration of Lead	Not Detected	0.01	0.01
Specific Migration of Lithium	Not Detected	0.5	0.6
Specific Migration of Manganese	Not Detected	0.25	0.6
Specific Migration of Mercury	Not Detected	0.01	0.01
Specific Migration of Nickel	Not Detected	0.01	0.02
Specific Migration of Zinc	Not Detected	0.5	5
Specific Migration of Europium	Not Detected	0.01	0.05
Specific Migration of Gadolinium	Not Detected	0.01	
Specific Migration of Lanthanum	Not Detected	0.01	
Specific Migration of Terbium	Not Detected	0.01	
Conclusion	Pass	--	--

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Specific Migration of Calcium	Not Detected	1	/
Specific Migration of Magnesium	Not Detected	1	/
Specific Migration of Potassium	Not Detected	1	/
Specific Migration of Sodium	Not Detected	1	/

Tested Item: Black Round Container With Clear Lid

Note :-

1. mg/kg= milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 and amendment EU 2020/1245 of January 11, 2021.
4. Test condition simulant&test elements were specified by customer.

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2.SPECIFIC MIGRATION OF HEAVY METALS:-

Method: With reference to EN 13130-1:2004. Analysis was performed by ICP-MS .

Simulant Used: 3% Acetic acid (w/v)

Test Condition: 100°C for 30 Min followed by 70°C for 2 Hours (1st Migration)

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Specific Migration of Aluminium	Not Detected	0.1	1
Specific Migration of Antimony	Not Detected	0.01	0.04
Specific Migration of Arsenic	Not Detected	0.01	0.01
Specific Migration of Barium	Not Detected	0.25	1
Specific Migration of Cadmium	Not Detected	0.002	0.002
Specific Migration of Chromium	Not Detected	0.01	0.01
Specific Migration of Cobalt	Not Detected	0.01	0.05
Specific Migration of Copper	Not Detected	0.25	5
Specific Migration of Iron	Not Detected	0.25	48
Specific Migration of Lead	Not Detected	0.01	0.01
Specific Migration of Lithium	Not Detected	0.5	0.6
Specific Migration of Manganese	Not Detected	0.25	0.6
Specific Migration of Mercury	Not Detected	0.01	0.01
Specific Migration of Nickel	Not Detected	0.01	0.02
Specific Migration of Zinc	Not Detected	0.5	5
Specific Migration of Europium	Not Detected	0.01	0.05
Specific Migration of Gadolinium	Not Detected	0.01	
Specific Migration of Lanthanum	Not Detected	0.01	
Specific Migration of Terbium	Not Detected	0.01	
Conclusion	Pass	--	--

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Specific Migration of Calcium	Not Detected	1	/
Specific Migration of Magnesium	Not Detected	1	/
Specific Migration of Potassium	Not Detected	1	/
Specific Migration of Sodium	Not Detected	1	/

Tested Item: Clear Round Container with clear lid

Note :-

1. mg/kg= milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 and amendment EU 2020/1245 of January 11, 2021.
4. Test condition simulant&test elements were specified by customer.
5. Above all testing has been performed as per customer request.

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Sample as Received (Tested Sample)



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Sample as Received (Grouped Sample)



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Sample as Received (Grouped Sample)



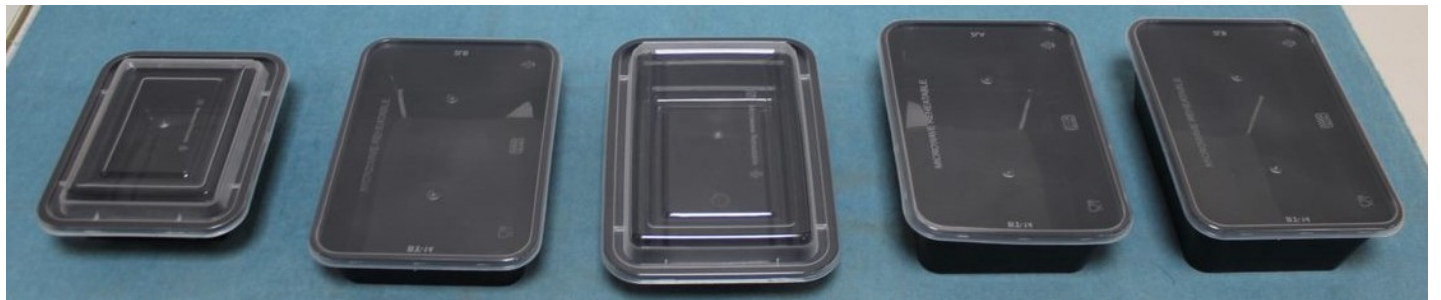
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Sample as Received (Grouped Sample)



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